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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : D. Amnon Silverstein

Art Unit : 2612

Serial No. : 09/484,667

Examiner : Rosendale, Matthew L.

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Title : POINTING DEVICE FOR DIGITAL CAMERA DISPLAY

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

EXHIBIT C

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on:

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e-mail from june 99

From amnon@hpl.hp.com Wed Jun 30 12:16:25 1999  
Received: from hplms2.hpl.hp.com by hplads.hpl.hp.com with ESMTP  
(1.37.109.10G/15.5+ECS 3.3+HPL1.1) id AA002560185; Wed, 30 Jun 1999 12:16:25 -0700  
Return-Path: <amnon@hpl.hp.com>  
Received: from hpl.hp.com (poppy.hpl.hp.com [15.4.91.177])  
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Wed, 30 Jun 1999 12:05:47 -0700 (PDT)  
Message-Id: <377A6A07.C9942B22@hpl.hp.com>  
Date: Wed, 30 Jun 1999 12:03:35 -0700  
From: Amnon Silverstein <amnon@hpl.hp.com>  
Organization: Hewlett Packard Laboratories  
X-Mailer: Mozilla 4.08 [en] (WinNT; I)  
Mime-Version: 1.0  
To: farrell@hpl.hp.com, Amnon Silverstein <amnon@hpl.hp.com>  
Subject: Progress Report  
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Progress Report  
June 1999

Interviewed and hired two SEED interns from U.C. Berkeley. Set them up with computers and etc.

Capybara 1999

Hardware:

Completed our first prototype. It is very large, but it has most of the functionality we plan to include in the final prototype. This prototype includes a camera (using a standard Microsoft interface and USB), an HP microdisplay, motion tracking (by means of either CAST image motion or gyroscope), and control buttons (also USB). I reviewed the specifications of many different motion tracking systems, and I found a very inexpensive and suitable device.

Started work on the new prototype, which will be in approximately the final format. It is much smaller and it will be easier to use.

Software:

Supervised the interns with the development of the software. The software so far includes:

Motion tracking, using CAST

A virtual panoramic mode, where the camera's motion is used to control visual motion

A thumbnail selection tool, that also uses the camera's motion

A picture capture and delete tool, that uses closed-circuit video

Personal development

I have been attending night school classes in C++ to improve my proficiency in that language

Owl

I have continued meeting with the owl team once a week. I have discussed